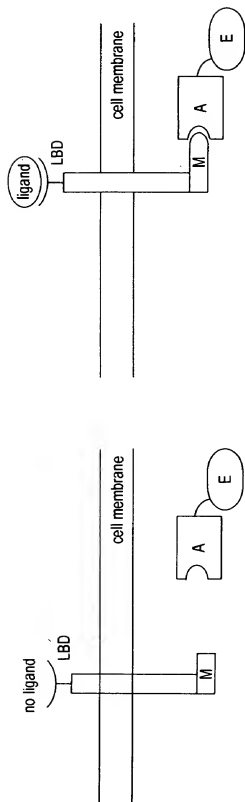


Diagrammatic representation of the detection of a ligand-membrane receptor interaction



in the absence of the ligand there is no phenotypical change in the cell

in the presence of the ligand there is a phenotypical change in the cell

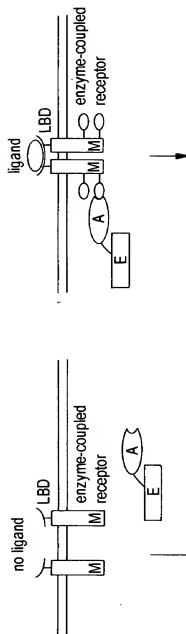
LBD : ligand-binding domain  
M : mediator

A : adaptor  
E : effector

**FIG. 1**

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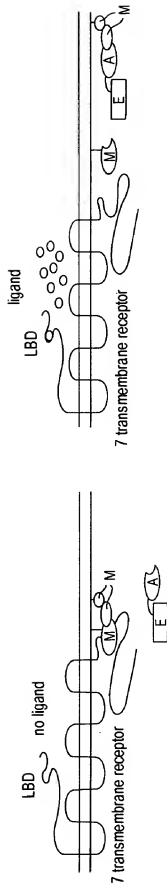
Diagrammatic representation of a ligand-membrane receptor interaction of an enzyme-coupled and of a G-protein-coupled receptor



**FIG. 2a**

in the absence of the ligand there is  
no phenotypical change in the cell

in the presence of the ligand there is a  
phenotypical change in the cell



LBD : ligand-binding domain  
M : mediator

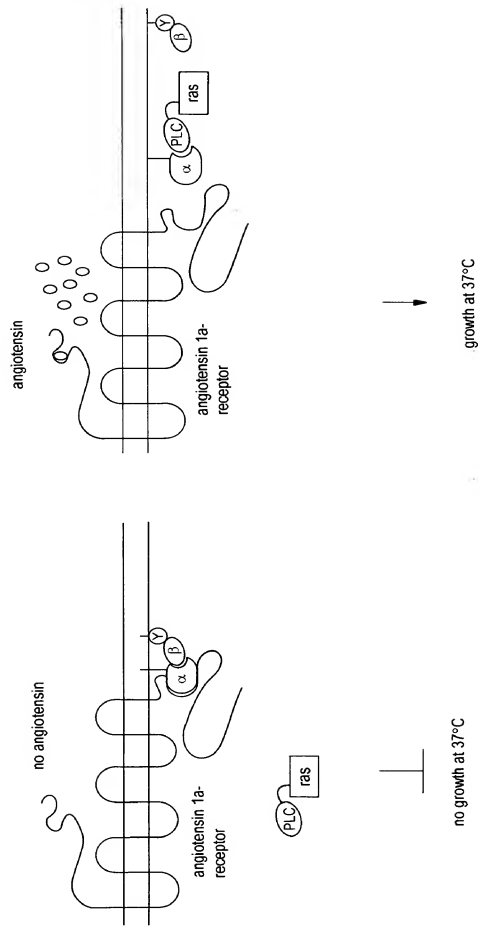
A : adaptor  
E : effector

**FIG. 2b**

in the absence of the ligand there is  
no phenotypical change in the cell

in the presence of the ligand there is a  
phenotypical change in the cell

Diagrammatic representation of the detection of the interaction between angiotensin and the angiotensin 1a receptor



**FIG. 4**

Diagrammatic representation of the detection of the interaction of EGF with the EGF receptor

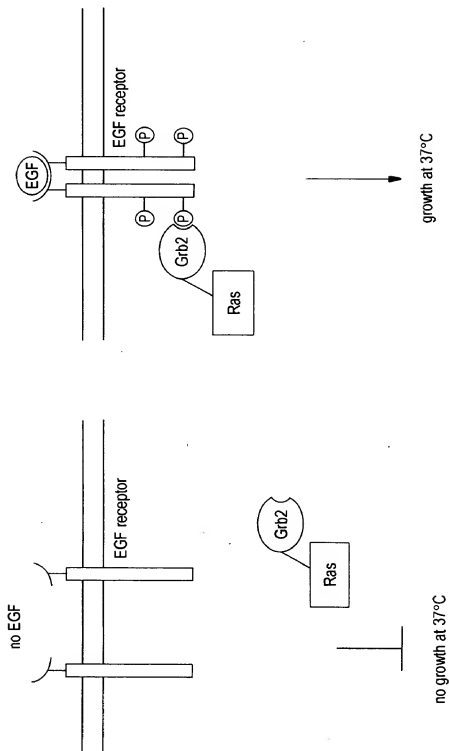


FIG. 3